

Amendments to the Specification:

Please replace the title as follows:

PHOTOMULTIPLIER TUBE HAVING FOCUSING ELECTRODES WITH APERTURES
AND SCREENS

Please replace the paragraph beginning on page 5, line 10, with the following rewritten paragraph:

However, electrons emitted from some areas of the photocathode in the photomultiplier tubes described above do not effectively strike the first dynode. Especially, ~~the~~ some electrons emitted from the periphery of the photocathode or some secondary electrons emitted from the periphery of the first dynode may pass through without impinging on the first, second, and/or higher order dynodes.

Please replace the paragraph beginning on page 15, line 23, with the following rewritten paragraph:

An aluminum thin ~~film 7~~ film 8 is vapor deposited on an upper inner surface of the side tube 6 of the glass container 5. The aluminum thin ~~film 7~~ film 8 is maintained at the same potential as that of the photocathode 3. An outer surface of the side tube 6 of the glass container 5 is provided with a magnetic shield (not shown) made from a magnetic material such as permalloy and is further covered with a tube made from a resin.

Please replace the paragraph beginning on page 17, line 12, with the following rewritten paragraph:

As shown in Fig. 2, the flat electrode 13 is provided with apertures and disposed beneath the shield electrode 11 to cover a cross section of the glass container 5. The flat electrode 13 has a rising portion on the peripheral edge that extends towards the photocathode 3. In the embodiment shown in the figure, four apertures are arranged around the center axis Z in a (2 x 2) array manner in the flat electrode 13. Electrons emitted from

photocathode segments ~~3-1 to~~ 3-1, 3-2 and 3-4 corresponding to the space segments ~~5-1 to~~ 5-1, 5-2 and 5-4, respectively, are allowed to travel through the respective aperture. Although not shown in any of the figures, a fourth photocathode segment corresponds to space segment 5-3 in the same manner.